

STG

The Jumpstart on an Elite Career
High tech, complex cutting edge systems
and computers.



**Sonar Technician, Surface
STG (AEF)**

Sonar Technicians Surface (STG) are operators and electronics technicians responsible for keeping sonar systems and equipment in good operating condition on surface ships such as frigates, minesweepers, destroyers, cruisers or at remote locations throughout the world. They are responsible for underwater surveillance, and aid in safe navigation and search-and-rescue operations. They use sonar to detect, analyze and locate targets of interest.

Advancement

Enlistee enters as E-1 (seaman recruit). Advancement to E-2 (seaman apprentice) will be made after successful completion of recruit training. Advancement to paygrade E-3 will be made after completion of all advancement-in-rate requirements (including minimum time in rate). Advancement to paygrade E-4 (petty officer third class) will be made after successful completion of initial school training and after all advancement-in-rate requirements (including minimum time in rate) are completed. Advancement to E-3 and E-4 is contingent upon maintaining eligibility in the **Advanced Electronics Field**.

What They Do

The duties performed by STG-AEFs include:

- Operate sonar sensors for detection and classification of contacts
- Operate underwater fire control systems
- Identify sounds produced by surface ships, torpedoes, submarines, evasion devices, sonar transmissions, marine life and natural phenomena
- Analyze, interpret and report all acoustic data
- Identify the characteristics, functions and effects of controlled jamming and evasive devices on sonar operations
- Prepare and interpret sonar messages
- Maintain charts and plots
- Operate tape recorders, bathythermographs and fathometers, computer localization subsystems and data entry terminals
- Recognize major equipment malfunctions during sensor operations
- Perform preventive and corrective maintenance on sonar equipment and underwater fire control systems including use of general purpose test equipment
- Identify electronic components on schematics and tracing major signal flow
- Use hand tools and portable power tools
- Operate underwater communications equipment



Credit Recommendations

The American Council on Education recommends that semester hour credits be awarded in the vocational certificate and lower-division bachelor's/associate's degree categories for courses taken in this rating on electricity and electronics, applied mathematics and blueprint reading.

Qualifications and Interests

STG-AEFs should have excellent hearing; an aptitude for electricity and electronics; skills in arithmetic, speaking and writing; the ability to do detailed work; read and comprehend written instructions; keep records; perform as a team member; curiosity; resourcefulness; a good memory; and manual dexterity with tools, equipment and machines.

The ability to do repetitive tasks and get along well with people is helpful. STG-AEFs must be U.S. citizens eligible for security clearance. Normal hearing and normal color perception is required. STGs must have no speech impediments.

Working Environment

STG-AEFs usually work indoors in clean, shop-like environments and computer equipment rooms. They work closely with others and require little supervision.

Opportunities

Placement opportunities are good for qualified applicants. About 4,000 men and women work in the STG-AEF rating. People who qualify and are accepted in the Sonar Technician Advanced Electronics Field must agree to extend their active duty obligation to six years to accommodate the additional training involved.

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Career Path After Recruit Training

Enlistees are taught the fundamentals of this rating through formal Navy schooling. All STG-AEF personnel will receive advanced technical equipment maintenance and operational training. Additional training may be available during later stages of career development.

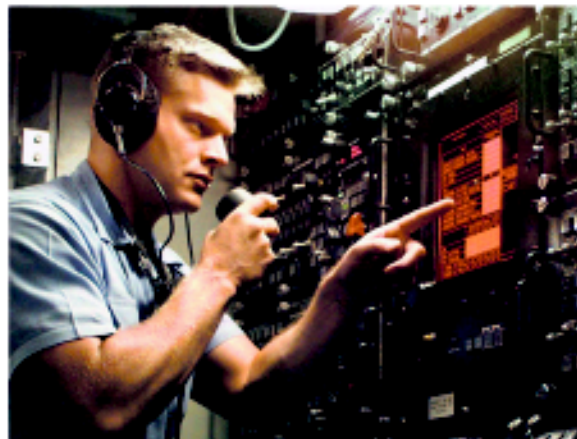
School	Present Location	Approximate Training Time	Subjects	Training Methods
Class "A" Technical School	San Diego, CA.	10 weeks	Sonar fundamentals, basic operator and analyst skills.	Group instruction
Digital electronics technology (DET) training	San Diego, CA.	14 weeks	Basic electronics.	Group instruction

After "A" school, STG-AEFs continue on to advanced "C" school. School lengths and content vary, but many colleges and universities offer college credits for these Navy courses. During a 20-year period in the Navy, STG-AEFs spend about 60 percent of their time assigned to fleet units or remote shore stations throughout the world and 40 percent to shore stations in the United States.

All personnel now receive sea pay at sea (E-1 to E-9).

Related Civilian Jobs--Dept. of Labor Dictionary of Occupational Titles

Electronics Technician
 Instrumentation Technician
 Microcomputer Support Specialist
 Technical Support Specialist
 Data Communications Analyst
 Computer Security Coordinator
 Instructor, Technical Training
 Computer/Peripheral Equipment Operator
 Computer Operator
 Fire Control Mechanic
 Office Machine Servicer
 Electromechanical Technician
 Instrument Repairer
 Electronics Tester
 Electronics Utility Worker
 Repairer, Probe Test Card, semiconductor wafers
 Electronics Inspector
 Electronic Equipment Repair
 Reworker Printed Circuit Board
 Data Communication Technician
 Electronics Mechanic



Since Navy programs and courses are revised at times, the information contained on this rating card is subject to change.

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